PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference A2469pc	FOR FURTHER ACTION	(Form PCT/ISA/22	Fransmittal of International Search Report 0) as well as, where applicable, item 5 below.
International application No.	International filing dat	e (day/month/year)	(Earliest) Priority Date (day month year)
PCT/FI 03/00544	4 July 2003		5 July 2002
Applicant			
Valtion Teknillinen Tutki			
This international search report has applicant according to Article 18. A	been prepared by this In copy is being transmitte	nternational Searchi ed to the Internation	ing Authority and is transmitted to the nai Bureau.
This international search report cons	sists of a total of 3	sheets.	
X It is also accompanied b	y a copy of each prior a	art document cited i	in this report.
in the language in which it wa	is filed, unless outerwise	mulcated dilder un	the basis of the international application is item.
to this Authority (Rule 2	23.1(b)).		n of the international application furnished
b. With regard to any nucleotide international search was carri	and/or amino acid sequed out on the basis of the	ence disclosed in the sequence listing:	e international application, the
contained in the interna	tional application in wri	tten form.	
filed together with the ir	nternational application	in computer readab	ole form.
furnished subsequently	to this Authority in writt	en form.	
furnished subsequently	to this Authority in com	puter readable form	n.
the statement that the st	ubsequently furnished w ation as filed has been fi	ritten sequence listi urnished.	ng does not go beyond the disclosure in
the statement that the in listing has been furnished	nformation recorded in	computer readable	form is identical to the written sequence
2. Certain claims were fou	ind unsearchable (See Bo	ox I).	
3. Unity of invention is lac			
4. With regard to the title,			
	submitted by the applic		
the text has been estable	lished by this Authority	to read as follows:	
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·			•
5. With regard to the abstract,		,	
the text is approved as	submitted by the applic	ant.	D W The
applicant may, within comments to this Auth	one month from the dat ority.	e of mailing of this	authority as it appears in Box III. The international search report, submit
6. The figure of the drawings to b		stract is Figure No.	None of the figures.
as suggested by the ap			
	failed to suggest a figure		
because this figure bet	ter characterizes the inv	ention.	

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C12Q 1/68
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI-DATA, EPO-INTERNAL, PAJ, BIOSIS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5807682 A (PAUL DAVID GROSSMAN ET AL), 15 Sept 1998 (15.09.98), claims 1-4, figure 20A-20C, column 3, lines 34-43, column 3, line 60 - column 4, line 3, column 7, lines 1-5, column 15, lines 36-42, column 20, lines 22-65, column 17, lines 21-33	1-37
X	WO 9937663 A1 (CALIFORNIA INSTITUTE OF TECHNOLOGY), 29 July 1999 (29.07.99), page 2, lines 7-10, page 3, line 26 - page 4, line 25, page 5, lines 7-18, page 6, lines 9-19, page 7, lines 13-21, claims 6-7 and 12	1-37

X	Further documents are listed in the continuation of Box	. C.	X See patent family annex.
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" "L"	earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"X"	document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is
"O"	document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	"&"	combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family
Date	e of the actual completion of the international search	Date o	of mailing of the international search report

2 0 -10- 2003

20 October 2003

Name and mailing address of the ISA/ Swedish Patent Office

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INTERNATIONAL SEARCH REPORT

C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 6268144 B1 (HUBERT KÖSTER), 31 July 2001 (31.07.01), figures 2-4, column 3, line 64 - column 4, line 17, column 6, lines 33-63, column 12, lines 53-63, column 14, lines 21-37, column 17, lines 4-12	1-37
Р,Х	WO 02055734 A1 (VALTION TEKNILLINEN TUTKIMUSKESKUS), 18 July 2002 (18.07.02)	1-18
A	Nucleic Acids Research, Volume 27, no. 23, 1999, Jerzy Olejnik et al: "Photocleavable peptide-DNA conjugates: synthesis and applications to DNA analysis using MALDI-MS", page 4626 - page 4631, figure 1	1-37
A	Anal. Chem., Volume 73, 1 May 2001, Narayana R. Isola et al: "MALDI-TOF Mass Spectrometric Method for Detection of Hybridized DNA Oligomers", page 2126 - page 2131, page 2128, left column, paragraph 2	1-37
A	US 6136531 A (HERMANN LEYING ET AL), 24 October 2000 (24.10.00), abstract, figure 7, column 2, lines 27-52	1-37
A	US 5633134 A (TONY SHUBER), 27 May 1997 (27.05.97), column 2, lines 27-37, column 3, lines 13-17, column 4. lines 8-11, column 5, lines 20-38	1-37
A	US 6395486 B1 (PAUL D. GROSSMAN), 28 May 2002 (28.05.02), abstract, figure 4D, column 4, lines 55-61	1-37

INTERNATIONAL SEARCH REPORT Information on family members

06/09/03

Interconal application No.

PCT 03/00544

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